

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	445	606/166.ccls.	USPAT	OR	OFF	2011/04/01 10:22
L2	1	"10561725"	US-PGPUB; USPAT	OR	OFF	2011/04/01 10:22
L3	11	Pein-Andreas.in.	US-PGPUB; USPAT	OR	OFF	2011/04/01 10:22
L4	3	((("6216573") or ("5370609") or ("5931647"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L5	1	"20010043874"	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L6	116	(("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

		"5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN.				
L7	113	("0247360" "0695589" "0789430" "1032187" "1460628" "1536415" "1815907" "2022443" "2393442" "2501707" "2645449" "2653580" "2709118" "2750746" "2766701" "2782801" "2856961" "3019739" "3095785" "3177780" "3216332" "3268201" "3275331" "3300703" "3414693" "3463193" "3509890" "3510177" "3515169" "3552441" "3648568" "3742822" "3802805" "3847453" "4042248" "4055107" "4085941" "4089349" "4095566" "4128227" "4159024" "4197786" "4222575" "4241644" "4280741" "4384511" "4392034" "4433795" "4437821" "4448425" "4449717" "4468170" "4549718" "4627795" "4637295" "4674965" "4721133" "4723755" "4751867" "4759553" "4804913" "4900883" "4974755" "4975679" "5104374" "5140113" "5144882" "5199718" "5267721" "5380017" "5429602" "5440968" "5467689").PN. OR ("5931647").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

L8	2	((("3930505") or ("4690672")).PN.	USPAT; USOCR	OR	OFF	2011/04/01 10:22
L9	117	("3589363" "3812855" "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L10	91	("1902418" "2147652" "2804075" "3429313").PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L11	277	L6 or L4 or L9 or L10	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L12	62	("3818913" "3930505" "4111490" "4465438" "4479760" "4479761" "4479762" "4560373" "4662829" "4690672" "4741678" "4761039" "4776769" "4795217" "4798339" "4811902" "4827679" "4898574" "4913698" "4937985" "4950238" "5018670" "5037431" "5052624" "5074862" "5092744" "5125582" "5133687" "5135482" "5162016" "5186615" "5201643" "5205779" "5230443" "5309899" "5314375" "5322504" "5364234" "5368452" "5370609").PN. OR ("5871462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L13	99	("1889425" "3353537" "3452745" "3515130" "3542017" "3561433" "3590813" "3605745" "3768472" "3792701" "3811795" "3906954" "3930505" "3993054" "3994297" "4018623" "4024866" "4186733" "4278078" "4282867" "4349130" "4365752" "4368734" "4412823" "4441488" "4515532" "4534340" "4560373" "4561856" "4570632" "4583531" "4589412" "4655197" "4690672" "4694828" "4705500" "4764165" "4776840" "4790824" "4817599" "4857047" "4861340" "4878900" "4898574"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

		"4908015" "4913698" "4915691" "4935006" "4944726" "4950238" "5013300" "5019037" "5024615" "5033961" "5037431" "5037432" "5046486" "5047008" "5049124" "5064413" "5135482" "5135484" "5176645" "5218956" "5261883" "5322504" "5361583" "5364405" "5370609" "5413556"). PN. OR ("5735815").URPN.				
L14	79	("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L15	17	("3496874").URPN.	USPAT	OR	OFF	2011/04/01 10:22
L16	116	("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L17	127	L15 or L16	USPAT	OR	OFF	2011/04/01 10:22
L18	179	L12 or L13 or L14	USPAT	OR	OFF	2011/04/01 10:22
L19	3	(("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L20	116	("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

		"4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN.				
L21	117	("3589363" "3812855" "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L22	91	("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L23	277	L20 or L19 or L21 or L22	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L24	17	("3496874").URPN.	USPAT	OR	OFF	2011/04/01 10:22
L25	116	("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

L26	127	L24 or L25	USPAT	OR	OFF	2011/04/01 10:22
L27	100	L26 not L23	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L28	806	417/212,218,221.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L29	137	L28 and eccentric	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L30	529	417/535,536,538.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L31	22	L30 and eccentric	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L32	643	606/166.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L33	112	L32 and eccentric	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L34	57	L33 and (pump or piston)	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L35	55	L33 not L34	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L36	29	("2032163" "2245287" "2503907" "3443521" "3496874").PN. OR ("4234107").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L37	27	("2107987" "2321994" "2666564" "3991797" "4234107" "4254806" "4273263" "4318431" "4373560").PN. OR ("4667709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L38	1	"4335756".pn.	USPAT	OR	OFF	2011/04/01 10:22
L39	1	"3830531".pn.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L40	22	pressure adj tubule	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L41	481082	tub\$5 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L42	393222	tub\$3 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L43	6260	(tub\$3 with connect\$4) same ribs	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L44	2100	(tub\$3 with connect\$4) same ((press adj fit) or press\$1fit)	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L45	55	L44 same rib	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22

L46	23	("2557766" "2647000" "2868602" "2972395").PN. OR ("4013372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L47	27	("2104500" "2284458" "2351525" "3386590" "3532369" "3545625").PN. OR ("3666298").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L48	50	L46 or L47	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L49	1	"5536258".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L50	45	("0802383" "0928055" "2258066" "3707240" "4551146" "5049139" "5176415" "5330235").PN. OR ("5536258").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L51	44	("4354490" "4559033" "4564361" "4919658" "4933178").PN. OR ("5049139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L52	226	417/470.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L53	4201	(plastic with piston) and (plastic with (housing or cylinder or casing))	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L54	1517	L53 and pump	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L55	445	606/166.ccls.	USPAT	OR	OFF	2011/04/01 10:22
L56	1	"10561725"	US-PGPUB; USPAT	OR	OFF	2011/04/01 10:22
L57	11	Pein-Andreas.in.	US-PGPUB; USPAT	OR	OFF	2011/04/01 10:22
L58	3	((("6216573") or ("5370609") or ("5931647"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
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L63	117	(("3589363" "3812855" "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L64	91	(("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L65	277	L60 or L58 or L63 or L64	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

L66	62	("3818913" "3930505" "4111490" "4465438" "4479760" "4479761" "4479762" "4560373" "4662829" "4690672" "4741678" "4761039" "4776769" "4795217" "4798339" "4811902" "4827679" "4898574" "4913698" "4937985" "4950238" "5018670" "5037431" "5052624" "5074862" "5092744" "5125582" "5133687" "5135482" "5162016" "5186615" "5201643" "5205779" "5230443" "5309899" "5314375" "5322504" "5364234" "5368452" "5370609"). PN. OR ("5871462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
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		"5370609" "5413556"). PN. OR ("5735815").URPN.				
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L69	17	("3496874").URPN.	USPAT	OR	OFF	2011/04/01 10:22
L70	116	("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L71	127	L69 or L70	USPAT	OR	OFF	2011/04/01 10:22
L72	179	L66 or L67 or L68	USPAT	OR	OFF	2011/04/01 10:22
L73	3	(("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L74	116	("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

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L76	91	("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L77	277	L74 or L73 or L75 or L76	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L78	17	("3496874").URPN.	USPAT	OR	OFF	2011/04/01 10:22
L79	116	("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L80	127	L78 or L79	USPAT	OR	OFF	2011/04/01 10:22
L81	100	L80 not L77	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L82	806	417/212,218,221.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L83	137	L82 and eccentric	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L84	529	417/535,536,538.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22

L85	22	L84 and eccentric	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L86	643	606/166.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L87	112	L86 and eccentric	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L88	57	L87 and (pump or piston)	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L89	55	L87 not L88	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L90	29	("2032163" "2245287" "2503907" "3443521" "3496874").PN. OR ("4234107").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L91	27	("2107987" "2321994" "2666564" "3991797" "4234107" "4254806" "4273263" "4318431" "4373560").PN. OR ("4667709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L92	1	"4335756".pn.	USPAT	OR	OFF	2011/04/01 10:22
L93	1	"3830531".pn.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L94	22	pressure adj tubule	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L95	481082	tub\$5 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L96	393222	tub\$3 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L97	6260	(tub\$3 with connect\$4) same ribs	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L98	2100	(tub\$3 with connect\$4) same ((press adj fit) or press\$1fit)	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L99	55	L98 same rib	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L100	23	("2557766" "2647000" "2868602" "2972395"). PN. OR ("4013372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L101	27	("2104500" "2284458" "2351525" "3386590" "3532369" "3545625"). PN. OR ("3666298").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L102	50	L100 or L101	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

L103	1	"5536258".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L104	45	("0802383" "0928055" "2258066" "3707240" "4551146" "5049139" "5176415" "5330235"). PN. OR ("5536258").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L105	44	("4354490" "4559033" "4564361" "4919658" "4933178").PN. OR ("5049139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L106	226	417/470.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L107	4201	(plastic with piston) and (plastic with (housing or cylinder or casing))	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L108	1517	L107 and pump	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L109	1	(10/561725).APP.	US-PGPUB; USPAT	OR	OFF	2011/04/01 10:22
L110	79	("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/01 10:22
L111	445	606/166.ccls.	USPAT	OR	OFF	2011/04/01 10:22
L112	1	"10561725"	US-PGPUB; USPAT	OR	OFF	2011/04/01 10:22
L113	11	Pein-Andreas.in.	US-PGPUB; USPAT	OR	OFF	2011/04/01 10:22
L114	3	((("6216573") or ("5370609") or ("5931647"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L115	1	"20010043874"	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22

L116	116	("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
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L117	113	("0247360" "0695589" "0789430" "1032187" "1460628" "1536415" "1815907" "2022443" "2393442" "2501707" "2645449" "2653580" "2709118" "2750746" "2766701" "2782801" "2856961" "3019739" "3095785" "3177780" "3216332" "3268201" "3275331" "3300703" "3414693" "3463193" "3509890" "3510177" "3515169" "3552441" "3648568" "3742822" "3802805" "3847453" "4042248" "4055107" "4085941" "4089349" "4095566" "4128227" "4159024" "4197786" "4222575" "4241644" "4280741" "4384511" "4392034" "4433795" "4437821" "4448425" "4449717" "4468170" "4549718" "4627795" "4637295" "4674965" "4721133" "4723755" "4751867" "4759553" "4804913" "4900883" "4974755" "4975679" "5104374" "5140113" "5144882" "5199718" "5267721" "5380017" "5429602" "5440968" "5467689").PN. OR ("5931647").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L118	2	(("3930505") or ("4690672")).PN.	USPAT; USOCR	OR	OFF	2011/04/01 10:22
L119	117	("3589363" "3812855" "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L120	91	("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L121	277	L116 or L114 or L119 or L120	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

L122	62	("3818913" "3930505" "4111490" "4465438" "4479760" "4479761" "4479762" "4560373" "4662829" "4690672" "4741678" "4761039" "4776769" "4795217" "4798339" "4811902" "4827679" "4898574" "4913698" "4937985" "4950238" "5018670" "5037431" "5052624" "5074862" "5092744" "5125582" "5133687" "5135482" "5162016" "5186615" "5201643" "5205779" "5230443" "5309899" "5314375" "5322504" "5364234" "5368452" "5370609"). PN. OR ("5871462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L123	99	("1889425" "3353537" "3452745" "3515130" "3542017" "3561433" "3590813" "3605745" "3768472" "3792701" "3811795" "3906954" "3930505" "3993054" "3994297" "4018623" "4024866" "4186733" "4278078" "4282867" "4349130" "4365752" "4368734" "4412823" "4441488" "4515532" "4534340" "4560373" "4561856" "4570632" "4583531" "4589412" "4655197" "4690672" "4694828" "4705500" "4764165" "4776840" "4790824" "4817599" "4857047" "4861340" "4878900" "4898574" "4908015" "4913698" "4915691" "4935006" "4944726" "4950238" "5013300" "5019037" "5024615" "5033961" "5037431" "5037432" "5046486" "5047008" "5049124" "5064413" "5135482" "5135484" "5176645" "5218956" "5261883" "5322504" "5361583" "5364405"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

		"5370609" "5413556"). PN. OR ("5735815").URPN.				
L124	79	("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L125	17	("3496874").URPN.	USPAT	OR	OFF	2011/04/01 10:22
L126	116	("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L127	127	L125 or L126	USPAT	OR	OFF	2011/04/01 10:22
L128	179	L122 or L123 or L124	USPAT	OR	OFF	2011/04/01 10:22
L129	3	(("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L130	116	("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

		"5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN.				
L131	117	("3589363" "3812855" "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L132	91	("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L133	277	L130 or L129 or L131 or L132	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L134	17	("3496874").URPN.	USPAT	OR	OFF	2011/04/01 10:22
L135	116	("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L136	127	L134 or L135	USPAT	OR	OFF	2011/04/01 10:22
L137	100	L136 not L133	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L138	806	417/212,218,221.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L139	137	L138 and eccentric	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L140	529	417/535,536,538.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22

L141	22	L140 and eccentric	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L142	643	606/166.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L143	112	L142 and eccentric	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L144	57	L143 and (pump or piston)	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L145	55	L143 not L144	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L146	29	("2032163" "2245287" "2503907" "3443521" "3496874").PN. OR ("4234107").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L147	27	("2107987" "2321994" "2666564" "3991797" "4234107" "4254806" "4273263" "4318431" "4373560").PN. OR ("4667709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L148	1	"4335756".pn.	USPAT	OR	OFF	2011/04/01 10:22
L149	1	"3830531".pn.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L150	22	pressure adj tubule	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L151	481082	tub\$5 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L152	393222	tub\$3 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L153	6260	(tub\$3 with connect\$4) same ribs	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L154	2100	(tub\$3 with connect\$4) same ((press adj fit) or press\$1fit)	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L155	55	L154 same rib	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L156	23	("2557766" "2647000" "2868602" "2972395"). PN. OR ("4013372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L157	27	("2104500" "2284458" "2351525" "3386590" "3532369" "3545625"). PN. OR ("3666298").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L158	50	L156 or L157	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

L159	1	"5536258".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L160	45	("0802383" "0928055" "2258066" "3707240" "4551146" "5049139" "5176415" "5330235"). PN. OR ("5536258").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L161	44	("4354490" "4559033" "4564361" "4919658" "4933178").PN. OR ("5049139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L162	226	417/470.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L163	4201	(plastic with piston) and (plastic with (housing or cylinder or casing))	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L164	1517	L163 and pump	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L165	445	606/166.ccls.	USPAT	OR	OFF	2011/04/01 10:22
L166	1	"10561725"	US-PGPUB; USPAT	OR	OFF	2011/04/01 10:22
L167	11	Pein-Andreas.in.	US-PGPUB; USPAT	OR	OFF	2011/04/01 10:22
L168	3	((("6216573") or ("5370609") or ("5931647"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L169	1	"20010043874"	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L170	116	("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

		"4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN.				
L171	113	("0247360" "0695589" "0789430" "1032187" "1460628" "1536415" "1815907" "2022443" "2393442" "2501707" "2645449" "2653580" "2709118" "2750746" "2766701" "2782801" "2856961" "3019739" "3095785" "3177780" "3216332" "3268201" "3275331" "3300703" "3414693" "3463193" "3509890" "3510177" "3515169" "3552441" "3648568" "3742822" "3802805" "3847453" "4042248" "4055107" "4085941" "4089349" "4095566" "4128227" "4159024" "4197786" "4222575" "4241644" "4280741" "4384511" "4392034" "4433795" "4437821" "4448425" "4449717" "4468170"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

		"4549718" "4627795" "4637295" "4674965" "4721133" "4723755" "4751867" "4759553" "4804913" "4900883" "4974755" "4975679" "5104374" "5140113" "5144882" "5199718" "5267721" "5380017" "5429602" "5440968" "5467689").PN. OR ("5931647").URPN.				
L172	2	((("3930505") or ("4690672")).PN.	USPAT; USOCR	OR	OFF	2011/04/01 10:22
L173	117	("3589363" "3812855" "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L174	91	("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L175	277	L170 or L168 or L173 or L174	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L176	62	("3818913" "3930505" "4111490" "4465438" "4479760" "4479761" "4479762" "4560373" "4662829" "4690672" "4741678" "4761039" "4776769" "4795217" "4798339" "4811902" "4827679" "4898574" "4913698" "4937985" "4950238" "5018670" "5037431" "5052624" "5074862" "5092744" "5125582" "5133687" "5135482" "5162016" "5186615" "5201643" "5205779" "5230443" "5309899" "5314375" "5322504" "5364234" "5368452" "5370609"). PN. OR ("5871462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

L177	99	("1889425" "3353537" "3452745" "3515130" "3542017" "3561433" "3590813" "3605745" "3768472" "3792701" "3811795" "3906954" "3930505" "3993054" "3994297" "4018623" "4024866" "4186733" "4278078" "4282867" "4349130" "4365752" "4368734" "4412823" "4441488" "4515532" "4534340" "4560373" "4561856" "4570632" "4583531" "4589412" "4655197" "4690672" "4694828" "4705500" "4764165" "4776840" "4790824" "4817599" "4857047" "4861340" "4878900" "4898574" "4908015" "4913698" "4915691" "4935006" "4944726" "4950238" "5013300" "5019037" "5024615" "5033961" "5037431" "5037432" "5046486" "5047008" "5049124" "5064413" "5135482" "5135484" "5176645" "5218956" "5261883" "5322504" "5361583" "5364405" "5370609" "5413556") PN. OR ("5735815").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L178	79	("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L179	17	("3496874").URPN.	USPAT	OR	OFF	2011/04/01 10:22
L180	116	("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

L181	127	L179 or L180	USPAT	OR	OFF	2011/04/01 10:22
L182	179	L176 or L177 or L178	USPAT	OR	OFF	2011/04/01 10:22
L183	3	((("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L184	116	("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

		"5674226" "5713878" "5871462").PN. OR ("6216573").URPN.				
L185	117	("3589363" "3812855" "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L186	91	("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L187	277	L184 or L183 or L185 or L186	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L188	17	("3496874").URPN.	USPAT	OR	OFF	2011/04/01 10:22
L189	116	("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L190	127	L188 or L189	USPAT	OR	OFF	2011/04/01 10:22
L191	100	L190 not L187	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L192	806	417/212,218,221.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L193	137	L192 and eccentric	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L194	529	417/535,536,538.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L195	22	L194 and eccentric	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L196	643	606/166.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L197	112	L196 and eccentric	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L198	57	L197 and (pump or piston)	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L199	55	L197 not L198	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L200	29	("2032163" "2245287" "2503907" "3443521" "3496874").PN. OR ("4234107").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L201	27	("2107987" "2321994" "2666564" "3991797" "4234107" "4254806" "4273263" "4318431" "4373560").PN. OR ("4667709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22

L202	1	"4335756".pn.	USPAT	OR	OFF	2011/04/01 10:22
L203	1	"3830531".pn.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L204	22	pressure adj tubule	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L205	481082	tub\$5 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L206	393222	tub\$3 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L207	6260	(tub\$3 with connect\$4) same ribs	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L208	2100	(tub\$3 with connect\$4) same ((press adj fit) or press\$1fit)	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L209	55	L208 same rib	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L210	23	("2557766" "2647000" "2868602" "2972395"). PN. OR ("4013372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L211	27	("2104500" "2284458" "2351525" "3386590" "3532369" "3545625"). PN. OR ("3666298").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L212	50	L210 or L211	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L213	1	"5536258".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L214	45	("0802383" "0928055" "2258066" "3707240" "4551146" "5049139" "5176415" "5330235"). PN. OR ("5536258").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L215	44	("4354490" "4559033" "4564361" "4919658" "4933178").PN. OR ("5049139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/01 10:22
L216	226	417/470.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L217	4201	(plastic with piston) and (plastic with (housing or cylinder or casing))	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L218	1517	L217 and pump	US-PGPUB; USPAT	OR	ON	2011/04/01 10:22
L219	1	(10/561725).APP.	US-PGPUB; USPAT	OR	OFF	2011/04/01 10:22

L220	79	("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/01 10:22
L221	22	("2178953" "3224345" "3250225" "3446154" "3993061" "4086036" "4240335" "4277226" "4396385" "4729238" "4798589").PN. OR ("4940399").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/01 10:22
L222	130	("2678663" "2725078" "2954738" "3079946" "3294030" "3375759" "3492968" "3551076" "3722506" "3769879" "3976402" "3985133" "3993061" "3995723" "4021157" "4096855" "4131393" "4137913" "4396385" "4403924" "4456009" "4515591" "4519792" "4658585" "4682533" "4684367"). PN. OR ("2178953" "4396385" "4729238" "4798589").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/01 10:22
L223	40	("3985133" "4236880" "4273121" "4303376" "4396385" "4479797" "4559038").PN. OR ("4818190").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/01 10:22
L224	40	("4142524" "4236880" "4273121" "4303376" "4336800" "4479797" "4519792" "4559038" "4798589").PN. OR ("4872813").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/01 10:22
L225	47	(L223 or L224) not (L221 or L222)	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/01 10:22
L226	2	((("5931647") or ("20070276421"))).PN.	US-PGPUB; USPAT	OR	OFF	2011/04/01 10:22

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